

ABSTRACT OF THE DISCLOSURE

[0022] A laminate for forming structural members and the structural members formed thereby. The laminate has a core with opposite outer surfaces, an outer laminated sheathing attached to each of the opposite outer surfaces of the core. The core has a center film of a biaxially oriented thermoset polyester resin. Each of the outer surfaces of the core is formed of a film of a thermoplastic adhesive resin which fastens to an outer laminated sheathing. Each of the outer sheathings includes an outer film of a biaxially oriented thermoset polyester resin with the outer films of biaxially oriented thermoset resin connected by at least one center film of a thermoplastic adhesive resin. The outer films of biaxially oriented thermoset polyester resin located adjacent the core have a film of thermoplastic adhesive resin facing the outer surfaces of the core. The biaxially oriented thermoset polyester resin is preferably polyethylene terephthalate and the thermoplastic adhesive resin is polyethylene. The structural member is formed from the laminate.